

Accommodation and Travel

Accommodation for few pre-registered participants can be arranged in campus guest house or hostels on payment basis, if available. Otherwise, a number of PG houses are located around DTU, and our volunteers will help the participants to arrange the accommodation. The participants will have to bear the expenses for stay and meals. TA/DA will not be paid for attending the seminar. However, working lunch and tea will be served during the programme.

Call for papers

The faculty, research scholars, students, professionals from industry and NGOs are invited to submit original research work for presentation in STEM-2019 on the themes mentioned. It is the responsibility of the authors that the work presented/submitted is original and has not been published in part/full in some other conference/journal.

Important Dates

Deadline for abstract submission: 28th February, 2019
Deadline for contributory/Invited full-length papers: 10th March, 2019

Publication of papers

Selected papers presented in the conference will be submitted to *Scopus- Indexed journals* ('Asian Journal of Water Environment & Pollution' and 'Rasayan-Journal of Chemistry') for publication after formal double-blind peer review.

Link for Registration:

https://docs.google.com/forms/d/e/1FAIpQLScQJi3WeBZ6y2jsWa-bTGBwO5eUSTfgqybcQ_2rtfDLC1HICA/viewform

Convener

Dr. A. K. Haritash
Convener, STEM-2019
Deptt. of Environmental Engineering
Delhi Technological University, Bawana Road
Shahbad Daulatpur, Delhi - 110042
E-mail: convener.stem.dtu@gmail.com, akharitash@dce.ac.in
M: +91- 9911710444

Patron

Prof. Yogesh Singh, Vice Chancellor, DTU

Co-Patron

Prof. S. K. Garg, Pro-Vice Chancellor-I, DTU
Prof. Anu Singh Lather, Pro-Vice Chancellor-II, DTU

Chairman

Prof. S. K. Singh, Head of Department

Advisory committee

Prof. Krishna R Reddy, University of Illinois, Chicago, US
Prof. Clement Trellu, Université Paris-Est Marne-la-Vallée, France
Prof. Claudio Camselle, University of Vigo, Spain
Prof. Ozgur Karaca, COMU, Turkey
Prof. Ahmed Benamar, University of Le Havre, France
Prof. Mukesh Khare, IIT-Delhi
Prof. Anubha Kaushik, GGSIPU, Delhi
Prof. V. Subramaniam, Professor Emeritus, JNU, Delhi
Prof. A L Ramanathan, SES, JNU, Delhi
Prof. A.P. Singh, BITS Pilani
Dr. Kelum Chamindu, Lincoln University, New Zealand
Dr. Harpreet Singh, Federation University, Australia
Dr. S.D. Attri, IMD Delhi
Dr. Suresh Jain, IIT Tirupati
Dr. Halan Prakash, BITS, Goa

Coordinators

Dr. A.K. Haritash, DTU
Dr. Rajiv Mishra, DTU

Organising Committee

Dr. (Mrs.) Anubha Mandal,
Mrs. Geeta Singh
Mr. Anunay Gaur
Ms. Vandana Shan
Ms. Manisha Verma
Mr. Saurav Ambashtha
Ms. Sakshi
Ms. Chitrakshi
Mr. Shubham Sharma

TEQIP-III Sponsored
2nd International Conference on
**SUSTAINABLE TECHNOLOGIES FOR
ENVIRONMENTAL MANAGEMENT**
(MARCH 25-26, 2019)

Coordinators

Dr. A. K. Haritash, DTU
Dr. Rajeev Mishra, DTU



Organised by

Department of Environmental Engineering
Delhi Technological University
(Formerly Delhi college of Engineering)
Bawana Road, Shahbad Daulatpur,
Delhi – 110 042

Overview

Environmental contamination has emerged as a challenge for concerned engineers, technologists, researchers, and policy-makers. A league of researchers and technologists has been actively engaged in devising methods and techniques to control further contamination, and remediate the already contaminated environmental matrices. The advances in formulation of chemical compounds, manufacturing, discharge in different environmental components has resulted in exposure to a cocktail of chemicals, and subsequently expression of harmful effects associated to. Environment contamination is a historical problem which may occur due to unplanned and irrational management of waste, accidents in the industries, and lack of knowledge about the potential toxicity of chemicals. The problem accentuates when the contaminated matrix is near to habitation, and inhabitants are directly or indirectly exposed to harmful substances. Whereas physical and chemical treatment is relatively more efficient and has short period for treatment, it has the limitation of expenses in terms of energy or chemicals, produce secondary pollutants or transfer pollutants to other phase. Bioremediation, on the other hand, is the most promising sustainable approach to remediate the contaminated sites. Application of native/introduced micro-organisms, plants, or other organisms to degrade or immobilize the contaminants through natural processes complemented with other strategies such as utilizing the solar energy results in a technology based on principles of ecological engineering. Although require longer remediation time, these methods are simple to operate, widely applicable, and low energy and chemical intensive process for complete mineralization or immobilization of pollutants making such technologies an effective and sustainable option.

This seminar shall discuss the fundamental knowledge about sustainable technologies which may be employed for environmental management. Moreover, opportunities and challenges associated with different methods will be discussed. On completion of this course, the participants

will have an enhanced understanding of the principles and practices underlying the sustainable technologies. The topics to be discussed in the international seminar on STEM are following, but are not restricted to **Sustainable Technologies, Global warming & Climate Change, Water Management, Green Chemistry, Advanced Oxidation Processes, Constructed Treatment Wetlands, Green Practices in Industry, Bioremediation & Cleaner Technologies, Ecological Restoration, Waste Management and Energy Conservation, Life-Cycle Assessment (LCA), Renewable Energy Technologies, Environmental issues & Policies, Environment & Health, Religion & Environmental Sustainability**. The programme is open to the faculty and research scholars of AICTE/UGC approved educational institutions, Universities, and the professionals from Research Organizations, Industries, and NGOs.

About Delhi City

"The world is the body and Delhi its soul," wrote the 19th century Urdu poet Mirza Ghalib about the city he lived in. Making up the tourist triad along with Jaipur and Agra, this triangular city, situated on the banks of the Yamuna with the Aravallis on its south is a harmonious amalgamation of the old and the new, which we call Old Delhi and New Delhi. Several rulers since time immemorial have staked claim to its throne and each one of them has left his indelible mark on its historical monuments and culture. Under the present dispensation it is the political hub of the nation. The city is popular for its monuments both old and new, large expanses of greens, gastronomical delights and the crisscrossing metro

About the University

Delhi Technological University (DTU), formerly known as Delhi College of Engineering, is an engineering university located in New Delhi, India. It is one of the oldest engineering colleges in India and Delhi's first engineering college. It was established in 1941 and in

2009; the college was given state university status, thus changing its name to Delhi Technological University. It has multi disciplinary undergraduate and PG programmes in engineering, science, and technology.

About the Department

The Department of Environmental Engineering at Delhi Technological University (DTU) has been offering M.E. (Environmental Engg.) degree since 1972 and B.E. (Environmental Engg.) degree since 1998. Currently the department offers B. Tech. (intake 60), M. Tech. (intake 20) and PhD degrees in Environmental Engineering. In addition to this, the department also provides opportunity to working engineers for upgrading their qualification under Continuing Education programme on part time basis for PG level. The department conducts cutting-edge research, in developing the vital areas that address societal needs for environmentally sustainable life style. We also strive to promote teamwork, and we value integrity and honesty in all efforts. Our faculty and staff are committed to educating our students such that they are best equipped to serve the nation and the world as professionals, scholars, academic leaders and entrepreneurs.

Registration

Registration of a participant is compulsory for presenting a paper and inclusion of abstract/full-length paper in proceedings/journal.

Category	Registration fee (INR)
Faculty/Professionals/NGOs	3000
Students/Research Scholars	2000
Foreign Participants	250 (USD)

The registration fee can be paid in cash for spot-registration/ DD in favour of Registrar, DTU, payable at SBI, DCE branch (Code: 010446) Delhi.